**AP Biology Biological Molecules (Chapter 3 Concept Map)**

**Create a Concept Map (using Inspiration Maps) that describes the different types of biological molecules in detail**

***Proteins (8pts)***

*Subtopics to include a discussion on:*

*Functions of Proteins*

*Amino Acids*

*Protein Shapes + Explanation on how shape affects function*

*Prions*

***Nucleic Acids (6 pts)***

*Subtopics to include a discussion on:*

*Structure of DNA and RNA*

*Complementary Base pairing*

***Lipids (8 pts)***

*Subtopics to include a discussion on:*

*Triglycerides*

*Phospholipids*

*Steroids*

*Waxes*

***Carbohydrates (10 pts)***

*Subtopics to include a discussion on:*

*Structure and function of Poly- vs. Di- vs. Monosaccharides*

*Glycogen*

*Cellulose*

***Worth 32 pts total. Explain the chemical structure and functions (basically the significance) of the terms listed above. Detailed descriptions are required for full points.***